

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 63-065940

(43)Date of publication of application : 24.03.1988

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(51)Int.Cl.

B01F 17/52

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(21)Application number : 61-209584

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(22)Date of filing : 08.09.1986

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(54) AQUEOUS DISPERSANT FOR SILICA FINE POWDER

(57)Abstract:

PURPOSE: To prepare a high concn. and low viscosity aqueous slurry of a silica fine powder by enhancing the dispersibility of the silica fine powder in an aqueous liquid, by preparing the aqueous dispersant for the silica fine powder from polyalkylene polyamine and/or a derivative thereof.

CONSTITUTION: An aqueous dispersant for a silica fine powder is prepared by dispersing polyalkylene polyamine and/or a derivative thereon in water. As polyalkylene polyamine, for example, there is polyalkylene imine being a copolymer of polyethylene and ethylene imine or propylene imine and, in this case, polyethylene imine with average MW of 500W500,000 is suitable. As the polyalkylene polyamine derivative, there are polyamide polyamine, polyurea polyamine, etc. The use quantity of the dispersant is pref. 1pt. or more by wt. of 100pts. of the silica fine powder.

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[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]